J. KELLY
BINDER, 15 GOWER PLACE

689

The heads of four leads, with reference to mean of distribution

C. Darwin.

August. 1841. —

2. Iris ref & Bees — h. & v. Rels

3 Flys impregnate orchis 1.21 Do 1.23. * Euphrasia

4. Epilobium impregnated by Sarcophaga — Insect in

16 Marks on corolla to guide insect none on

night flowers

18 was not aware of use of crossing

Bees bring pollen dispose receptacle of two marks.

42 pollen generally ready first

43 pistil as long Dichogam as Viola & Monina

61 case of Salvia

106. Butterflies. Phlox — Dichog:

111. On Campanula rad

117 Phyteuma. Does not set [illegible] in Doors ✗

(one of Campanulaceæ)

~~Primulaceæ~~ Solanaceæ ~~tried~~ / 126 &

167 Parnassia. stigma not ready Dichog & visited earlier many ♀/. — (Mention after

Barberry / probably night flowers

186 Allium in doors case with Parnassia

212 Horse chestnut. probably Dichogam.

240 Kalmia like Barberry, more or less touched

244 Saxifraga saw fly impregnate

249 Dicentra. Dichogam, & self sterile & the
impregnated in close flowers . . .

296 saw ant carry pollen.
(Nothing to show Dichogamy in this cl[ass])

346 Hollyhock. Dichogam.

354 Does not understand impregnation of Dea.

358 on depression of wings in Bean-flowers & other
Legum. causes ejection of pistil & anthers
so Bees impregnate — Whole structure &
flower with ectangular petite fitted for
the end — Keel sprung up sharp & to
position. 359 Phaseolus. Does not know about on
side — knows of pistil touch ant following
thinks a dichogamist.

390 violet — anth full of pollen stopped & pistil
pin beg shaken out; curled point of stigma
more & Bees. 394 can know when no
Bee has visited & no shed pollen. — 395
press it & pulling gauze over.
397. Does not know much about Heartsease.

Kurz.

Plants supposed to be fertilized by Wind

Urtica — Stigma downy (Smith) : I have seen pollen
Hops : on — Spinage & I think Beet in C
Stigma. Kun say Urtica acidity !!!

Carex Stigma downy (Smith) Kun on hazy
Plantago no hairy (I think I have seen
Humble-bee at work.) Stigma hairy acute (Sich

Sanguisorba Style — hairy — Common Stigma obtuse Smith

Ulmus — I think Ben

Amentaceæ no hairy except Willow. In some
& Smith — Stigma plumose or very large.
Coniferæ no hairy

Dianthus has — Stigma — on
I think the type. —

Hop. hazy linear Stigma — Bentham Hooker Jussieu

In re U. th
.. Reg Sor. Report
Bd. Paper
by Direction
in pursuance V
Reg. K.
Section

403. Bibio lateritius. — thinks flies impregnate — has
saw Bees. — has never seen nectar in.
calls them sham-nectar fondness — Insects
within hairs — look at night —

405. Butterfly retains her nectar — smells at
milk — probably a moth impregnation.

406 Litera ovata has nectar & visits ♂
Schaeffera (+ 407) with 2 pairs on head.

409. not seen after eaten ♂ Beetles. Saw
the act of impregnation effected.

414 often see Thrips on Epipactis, ♀ not in
impregnated without insect. + 415 saw
fly remove the pollen-masses & has
lizard it shitting on back. —

419 Anastoechus fm Aberdeen cannot be
impregnated without insects — 421 ♂ may fly
with pollen on. 423 thinks flies
cannot escape owing to shortness of bitten
of hitches from number, but mem. Asmus
may be seen in London to show how they
bite insects (as carry pollen. —

C. H. Sprengel

Infiltrazione a Peterhead [illegible]

Pietà ante in Mattia ad Pellen
del bue ad
Topica

[illegible] [illegible] [illegible] [illegible] [illegible]

(Nella pianta all fondo d'[illegible]

[illegible])

[illegible] [illegible]

Pimpinella magna - [illegible] [illegible] [illegible]

& dioica [illegible].

Anthriscus [illegible] [illegible] [illegible]

with imperat, stipa & no stamens; thick

[illegible] set [illegible].

Conium [illegible] Bobyton [illegible] ad ovate
ovate

Ficus = Helmithia

Tabulata hos long Richardson & Hem

Hamburg. Aug. 13/1857

It would be worth while to crop Vinca Ledger of

it would then furnish results =

* Stray cases of Dichogamy in Papilionaceae in Gardner Bastard p. 65

Gardner Bastard p. 537. c most weak against fine cases of Hogg 45
different insects.

" " p. 586 speaks of it as general law that male & female
organs are ripe at same time — at p. 659 contradicts

Gardners Bastard must be studied also Hoog p. 75-92

p. 242. attributes to C. C. Sprengel part & portion of
pistil —

K Treviranus 3. Fort. p. 127. on movement of pistil & anthers in Compositae
& on the cases of movements: the latter subject largely discussed
by Gardner in Bastard —

Hard 19. 39. Lubbock & Germans visits of Bombus — with & top pistil
bent slightly over lower perianth, projecting & apparently ready (Thus
pollen not shed — Set pollen on stigma of Bee (& earlier) flower pollen shedding.
In lower
So the two female organs apparently ready first.

p. 415 on Spiders hunting plant with nectar: men belly remarks
on Insects

ask Henslow or Babington or Watson { p. 260 On the (a) Lythrum flowers at different period from the White

p. 367 (374) Seeds different from each

Margin of Tiers. Composite flowers

Flowers of Males larger than of Females

March. 30-46 - Read straight thro' from p. 1 to 223 [299.
Read all

Only subjects not on Offering

Good case of mechanical action compared to action of pollen on head - for no use in Lythrum

(2) p. 367 Difference in shape of seed. in Disc & centre of Compos't.
374 Do - (This must be a correlation of structure, & perhaps use in insects) - Figures of 3 kinds in same flower-

371. Do stigma in Composite bristly not Pollen - Rudiments of an useful
383 - Do - Stamens rudimentary - very curious case

Lythrum - Trimorphic Arum

Examine seeds Spiraea

Aristolochia when insect too early

Hyacinth in night in Oct. Nov.

Impregnation of ovules & seeds by emptying & by

Heartsease - Water - Pea, covered & unprepared seed. Is it

Cyclamen - Bees so fr pollen & Honeysuckle

Ivy & wet visit pollen-less

Watch Acacia - Fact pollen & Ovule & the use or colour & shape of flower

Anemone about filament after

visit - is copy accurate

Fraxinella accurate